

ITW Insulation Systems Canada

Childers 25/50™ PVC

Jacketing and Fitting Covers

Description

Childers 25/50™ PVC jacketing and fitting covers are manufactured in Canada from specially formulated opaque PVC for use both indoors and outdoors in a wide range of environments. The high impact, white glossy finish of Childers 25/50 PVC is tough, attractive, and resistant to ultraviolet light. Childers 25/50™ PVC retains its colour, resists damage, humidity, adverse weather conditions, chemical washdowns and will not support combustion.

Childers 25/50™ fitting covers are precision-molded in either one or two pieces to fit a variety of shapes and sizes, up to 18" Iron Pipe Size (IPS) and 3" thick insulation in addition to copper tubing sizes (see size availability chart). The covers have excellent forming characteristics, conforming uniformly and neatly to the insulated fitting cover and to O.D. of the adjoining pipe insulation. They are available for long and short radius 90° elbows, 45° elbows, tees, valves, flanges, and caps and Victaulic™ fittings.

Childers 25/50™ jacketing is manufactured from .010, .015, .020 and .030 inch thick PVC. It is available in rolls 36" wide and 100' long. For outdoor applications, ITW recommends a minimum thickness of .020".

To complete the system, ITW also offers PVC tape and Chil-Plas™ CP-91 PVC welding adhesive to secure the jacketing and fitting covers. The complete system provides a professional and attractive looking installation that withstands many chemical environments and weathering conditions.

Features/Benefits

~**Conforms to ASTM E-84 and S102.2 standards.** Childers 25/50 PVC has been tested by an independent certified laboratory for ASTM E-84 Flame Spread/Smoke Development. It has passed the 25/50 requirement of the Canada

Building Codes and the Federal Fire Commissioners office... you're assumed that Childers 25/50 PVC meets all necessary guidelines.

~**More safety from fire.** Childers 25/50 PVC will not support combustion. You're assured of a lower smoke-developed rating than traditional PVC.

~**Competitively priced.** You're assured of products, backed by the ITW Insulation Systems Canada name, that can be successfully bid.

~**Fitting covers manufactured from new mold for a better fit.** You're assured of a consistent high quality product that is easier and faster,

~**Resistant to ultraviolet light.** You're assured of optimum service and colour retention over the life of the jacketing system... the PVC need not be painted or coated.

~**Easily maintained.** You're assured that washdown with soap and water, or many solvents, is easily accomplished without degradation.

~**Applies faster.** No special tools are required for installation.

~**Exceptional durability.** You're assured that the product resists damage from impact, abrasion, humidity, salt water, and adverse weather conditions.

Uses

Childers 25/50 PVC is recommended for use in both indoor and outdoor applications. The product is used on low pressure steam lines, hot (maximum 150° F or 65° C surface temperature) and chilled piping systems for commercial, institutional, and light industrial projects in addition to cold storage/food processing applications to -40° F or -40° C.

ITW's PVC jacketing systems are typically used in the pharmaceutical, food processing, beverage, and chemical processing industries as well as other places where cleanliness and aesthetics are important.

Hot System Applications

Childers 25/50 PVC is not recommended over high density non-fibrous insulations. Fitting covers are normally secured with stainless steel tacks, bands, PVC tape, or PVC welding adhesive.

Cold System Applications

On cold systems where factory applied ASJ vapor barriers are used as a finish on the piping, ITW recommends that a 1/4" bead of Childers brand Chil-Byl® CP-76 sealant be applied to the circumferential butt ends of the adjoining pipe insulation. The application of the CP-76 should ensure a complete ring of vapor barrier material that will touch the PVC cover when it is applied, but will not extend beyond the edge of the cover onto the jacketing. Prior to application of the fitting cover, a complete brush coat of Childers Chil-Plas™ CP-91 adhesive should be applied to one or both sides of the overlap in the throat of the fitting cover, in a width equal to the overlap. The molded fitting cover should then be applied over the fitting insulation and the adjoining pipe insulation. PVC tape or welding adhesive should be used to finish the application. Cold systems using .020" or heavier PVC should be secured with Chil-Plas CP-91 welding adhesive in lieu of PVC tape.